

Title (en)

ANODE FOR LITHIUM METAL BATTERY, MANUFACTURING METHOD THEREFOR, LITHIUM METAL BATTERY INCLUDING SAME

Title (de)

ANODE FÜR LITHIUMMETALLBATTERIE, HERSTELLUNGSVERFAHREN DAFÜR, LITHIUMMETALLBATTERIE DAMIT

Title (fr)

ANODE POUR BATTERIE AU LITHIUM MÉTAL, SON PROCÉDÉ DE FABRICATION, BATTERIE AU LITHIUM MÉTAL LA COMPRENANT

Publication

**EP 3671912 A4 20210120 (EN)**

Application

**EP 19848117 A 20190801**

Priority

- KR 20180093984 A 20180810
- KR 20190090886 A 20190726
- KR 2019009594 W 20190801

Abstract (en)

[origin: EP3671912A1] The present invention relates to a negative electrode for a lithium metal battery, a manufacturing method thereof, and a lithium battery including the same. In detail, in an exemplary embodiment of the present invention, to improve conductivity while improving adherence between a negative current collector and a negative active material of the lithium battery, an adhesive layer including a binder and a conductive material between the negative current collector and the negative active material is provided.

IPC 8 full level

**H01M 4/134** (2010.01); **H01M 4/02** (2006.01); **H01M 4/04** (2006.01); **H01M 4/1395** (2010.01); **H01M 4/36** (2006.01); **H01M 4/38** (2006.01); **H01M 4/62** (2006.01); **H01M 4/66** (2006.01); **H01M 10/052** (2010.01); **H01M 10/0525** (2010.01)

CPC (source: EP KR US)

**H01M 4/0404** (2013.01 - EP KR US); **H01M 4/043** (2013.01 - EP KR); **H01M 4/134** (2013.01 - EP KR US); **H01M 4/1395** (2013.01 - EP KR US); **H01M 4/366** (2013.01 - EP); **H01M 4/382** (2013.01 - EP US); **H01M 4/623** (2013.01 - EP KR US); **H01M 4/625** (2013.01 - EP KR US); **H01M 4/661** (2013.01 - EP KR); **H01M 4/663** (2013.01 - EP); **H01M 4/667** (2013.01 - EP KR); **H01M 4/668** (2013.01 - EP); **H01M 10/052** (2013.01 - EP KR US); **H01M 2004/021** (2013.01 - EP); **H01M 2004/027** (2013.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)

- [X] US 2014370349 A1 20141218 - KWON YO-HAN [KR], et al
- [X] WO 2016160958 A1 20161006 - SOLIDENERGY SYSTEMS [US]
- [A] KR 20180027953 A 20180315 - LG CHEMICAL LTD [KR]
- See references of WO 2020032475A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3671912 A1 20200624**; **EP 3671912 A4 20210120**; **EP 3671912 B1 20231122**; CN 111164802 A 20200515; KR 20200018259 A 20200219; US 11522172 B2 20221206; US 2020259163 A1 20200813

DOCDB simple family (application)

**EP 19848117 A 20190801**; CN 201980004813 A 20190801; KR 20190090886 A 20190726; US 201916651747 A 20190801